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*Elizabeth Miller*  
Elizabeth Miller

*June 13, 2002*  
Date

ATTY DOCKET NO. 10991394-5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michel G.M. Perbost      Group Art Unit: 1634  
Serial No.: 09/895,050      Examiner: A. Chakrabarti  
Filed: 06/29/2001  
Title: BIOPOLYMER ARRAYS AND THEIR FABRICATION

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

AMENDMENT AND RESPONSE

RECEIVED  
JUN 27 2002  
TECH CENTER 1600/2900

Please amend the claims as indicated in the attached APPENDIX. A clean copy of all the pending claims incorporating the amendments of the APPENDIX, is reproduced below:

- B1
29. (AMENDED) An apparatus for fabricating an addressable array of biopolymers on a substrate according to a target pattern, comprising:
- (a) a deposition system which can separately dispense onto a substrate, fluid compositions of different biomonomers each with a first linking group which must be activated for linking to a substrate bound moiety, and a fluid composition of a solid activator;
  - (b) a processor to operate the deposition system, which processor derives from the target array pattern a target drive pattern for operating the deposition system to form the array, the target drive pattern comprising instructions to the deposition system to perform the following at each of multiple regions at which a biomonomer is to be deposited: